

United States Department of Agriculture
Agricultural Research Service
Entomology Research Branch

Livestock pest div

JUL 19 1956

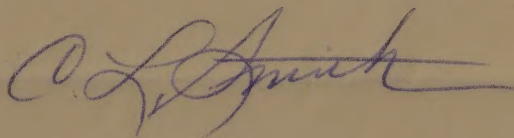
P. O. Box 3391
Orlando, Florida
July 17, 1956

To: R. C. Bushland, Box 232, Kerrville, Texas
From: C. L. Smith
Subject: Chart--Decay of 70 Curie Cobalt⁶⁰ Source

Attached hereto are two copies of a correction chart for decay of 70 Curie Cobalt⁶⁰ Source prepared by Mr. Baumhover. Would you please spot check it for errors in calculations?

Enc. 2

cc: A. W. Lindquist



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
ENTOMOLOGY RESEARCH BRANCH

P. O. Box 3331
Orlando, Florida
July 17, 1958

To: R. C. Bushland, Box 333, Kerrville, Texas
From: C. L. Smith
Subject: Chart--Decay of ⁶⁰Co Gamma Source

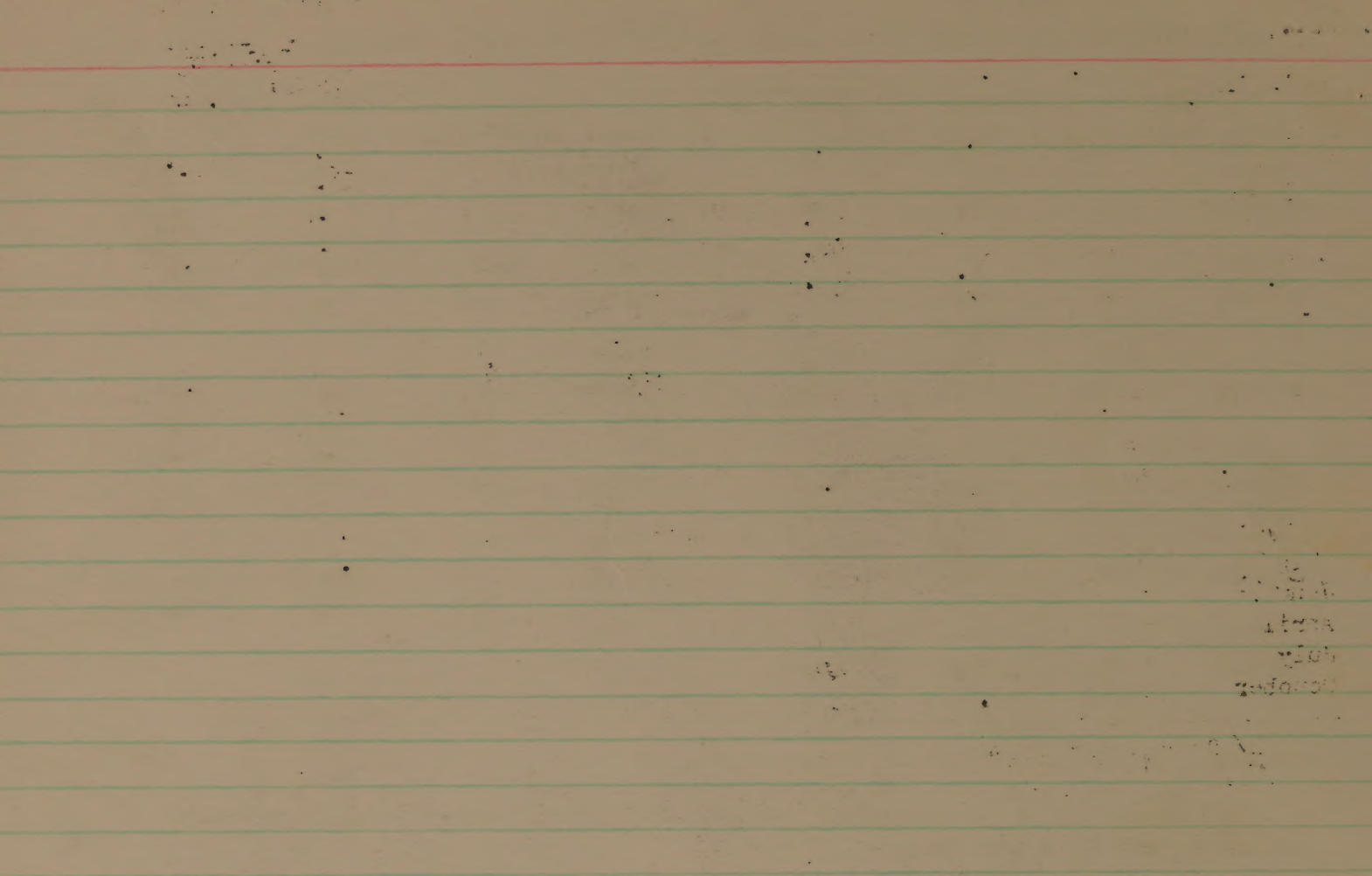
Attached hereto are two copies of a correction chart for decay of
⁶⁰Co Gamma Source prepared by Mr. Baumhauer. Would you
please spot check it for errors in calculations?

Enc. 2
cc: A. W. Lindquist

CORRECTION CHART FOR DECAY OF 70 CURIE COBALT⁶⁰ SOURCE^{1/}. (Prepared 7/11/56-AHB)

:Roentgens:Minutes required for ::				:Roentgens:Minutes required for			
Date	:per Min.	: 5,000 r	: 7,500 r	Date	:per Min.	: 5,000 r	: 7,500 r
<u>1953</u>				<u>1957</u>			
December	250	20.0	30.0	January	166	30.1	45.2
				April	161	31.0	46.5
<u>1954</u>				July	156	32.0	48.0
January	246	20.3	30.5	October	151	33.1	49.7
April	239	20.9	31.3				
July	232	21.1	32.3	<u>1958</u>			
October	225	22.2	33.3	January	146	34.2	51.3
<u>1955</u>				April	141	35.4	53.2
January	218	22.9	34.4	July	137	36.5	54.0
April	211	23.7	35.5	October	132	37.9	56.7
July	204	24.5	36.7	<u>1959</u>			
October	197	25.4	38.0	January	128	39.0	58.7
<u>1956</u>				April	125	40.0	60.0
January	190	26.3	39.4				
April	184	27.1	40.8				
July	178	28.0	42.1				
October	172	29.0	43.6				

^{1/} Source installed December 1953--half-life 5.3 years or approximately December 1953 to April 1959.



CORRECTION CHART FOR DECAY OF 70 CURIE COBALT⁶⁰ SOURCE^{1/}. (Prepared 7/11/56-AHB)

:Roentgens:Minutes required for ::				:Roentgens:Minutes required for			
Date	:per Min. :	5,000 r :	7,500 r ::	Date	:per Min. :	5,000 r :	7,500 r
<u>1953</u>				<u>1957</u>			
December	250	20.0	30.0	January	166	30.1	45.2
				April	161	31.0	46.5
<u>1954</u>				July	156	32.0	48.0
January	246	20.3	30.5	October	151	33.1	49.7
April	239	20.9	31.3				
July	232	21.1	32.3	<u>1958</u>			
October	225	22.2	33.3	January	146	34.2	51.3
<u>1955</u>				April	141	35.4	53.2
January	218	22.9	34.4	July	137	36.5	54.0
April	211	23.7	35.5	October	132	37.9	56.7
July	204	24.5	36.7				
October	197	25.4	38.0	<u>1959</u>			
<u>1956</u>				January	128	39.0	58.7
January	190	26.3	39.4	April	125	40.0	60.0
April	184	27.1	40.8				
July	178	28.0	42.1				
October	172	29.0	43.6				

^{1/} Source installed December 1953--half-life 5.3 years or approximately December 1953 to April 1959.

